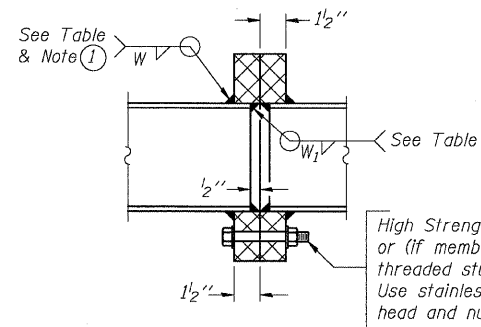


**TRUSS UNIT TABLE**

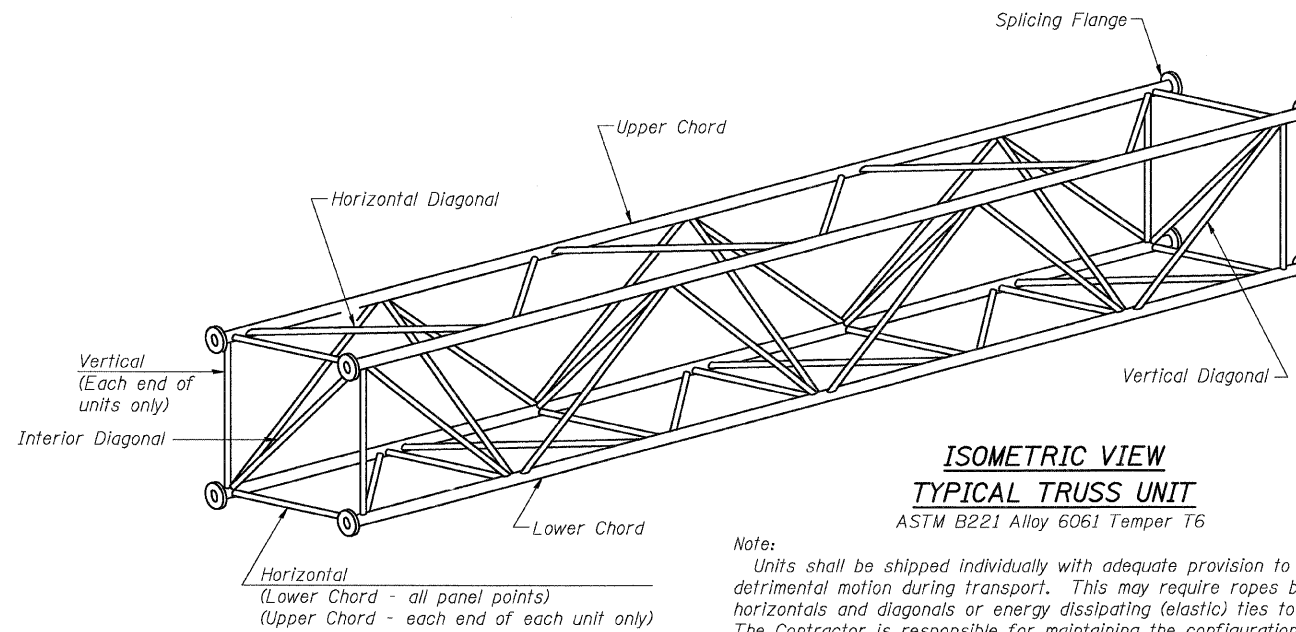
Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(L <sub>e</sub> )	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L <sub>i</sub> )	Panel Lgth.(P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W <sub>1</sub>		
BS0601055R010.9	502+00	I-A	7	35'-8 1/2"	4'-10"	-	-	-	5"	5/16"	2 1/2"	5/16"	1 3/4"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"	
BS0601055L011.2	510+80	I-A	6	31'-4 1/2"	4'-11"	1	-	30'-9"	5 1/2"	5/16"	2 1/2"	5/16"	2 7/8"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"	
BS0601055L011.4	537+25	II-A	6	30'-10 1/2"	4'-10"	-	-	-	5 1/2"	5/16"	3"	5/16"	3/4"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"	



**SECTION B-B**

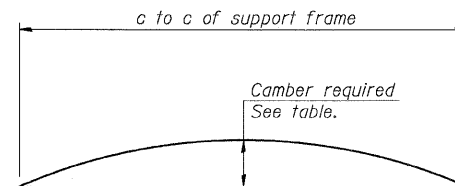
High Strength bolts with locknuts or (if members interfere) threaded studs with 2 locknuts. Use stainless steel washers under head and nut. See table.

- ① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.



**ISOMETRIC VIEW TYPICAL TRUSS UNIT**  
ASTM B221 Alloy 6061 Temper T6

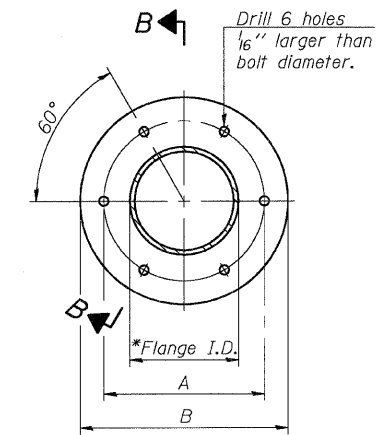
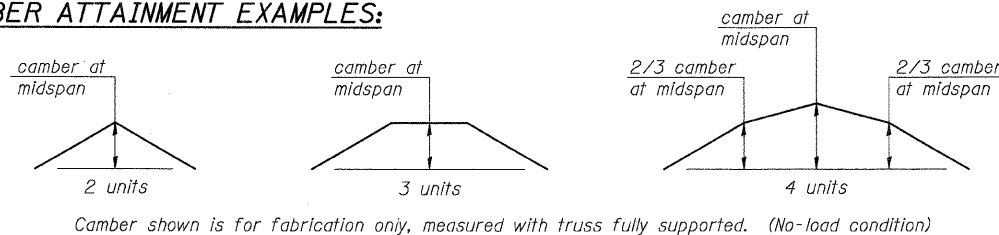
Note: Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.



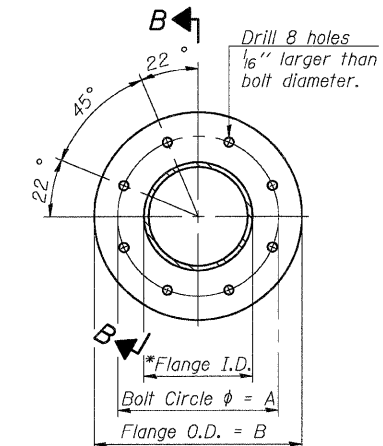
**CAMBER DIAGRAM**

Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

**CAMBER ATTAINMENT EXAMPLES:**



**TRUSS TYPES I-A, II-A, & III-A**



**TRUSS TYPES II-A & III-A**

**SPLICING FLANGES**

ASTM B221, Alloy 6061-T6 or ASTM B209, Alloy 6061-T651

\*To fit O.D. of Chord with maximum gap of 1/16".

NUMBER	REVISION	DATE

**Coombe-Bloxdorf P.C.**  
-CIVIL ENGINEERS-  
-STRUCTURAL ENGINEERS-  
-LAND SURVEYORS-  
Design Firm License No. 184-002703

PROJECT NO. 05027-13  
SCALE  
DATE / /  
DESIGN BY  
DRAWN BY  
CHECKED BY

OS4-A-2 12-1-08

**OVERHEAD SIGN STRUCTURES  
ALUMINUM TRUSS DETAILS  
FOR TRUSS TYPES I-A, II-A AND III-A  
F.A.I. ROUTE 70, SEC. 60-(5,6,7)RS, 60-(6,7)BR  
MADISON COUNTY**

SHEET NO. 12 19 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	156
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76C56					